



## UNIFORM RADIOACTIVE WASTE ACCEPTANCE CRITERIA SUPPLEMENT

PROFILE# \_\_\_\_\_

GENERATOR INFORMATION		DISPOSAL SITE		
GENERATOR	US EPA Radium - Standard Products	US Ecology Idaho (complete Pgs 1 & 2)		
COMMON NAME OF MATERIAL	Non Regulated Soil and Debris	US Ecology Nevada (Complete Pg 1 only)		
MATERIAL DESCRIPTION	Soil, Debris, and Visqueen	US Ecology Texas (Complete Pg 1 only)		
<b>Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media (&lt; 0.05% by weight)</b>				
Does the material contain (check all that apply): <input checked="" type="checkbox"/> Natural, Refined, or Depleted Uranium <input checked="" type="checkbox"/> Thorium (Th-232) <input type="checkbox"/> Both Uranium and Thorium				
<b>Source Material Sum of Fractions (SOF) Formulae</b>				
<b>Natural Uranium + Thorium</b> $\frac{Conc_{U-238}}{167pCi/g} + \frac{Conc_{Th-232}}{55pCi/g} \leq 1$		<b>Refined Uranium + Thorium</b> $\frac{Conc_{U-Total}}{333pCi/g} + \frac{Conc_{Th-Total}}{110pCi/g} \leq 1$		
<b>Depleted Uranium + Thorium</b> $\frac{Conc_{U-238}}{169pCi/g} + \frac{Conc_{Th-232}}{55pCi/g} \leq 1$				
<b>Notes:</b> 1. Unless otherwise noted, use parent nuclide in equations. 2. Th-232 will routinely be considered to be in equilibrium with all progeny. 3. Total Uranium = U-234 + U-235 + U-238. 4. Total Thorium = Th-232 + Th-228. 5. Refined Uranium refers to chemical forms where the equilibrium state of the uranium decay chain has been disrupted. 6. Depleted Uranium contains U-235 at < 0.71% by weight.				
Source Material SOF Calculations:	Trace uranium and thorium present @ <2 pCi/g each			
<b>NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media</b>				
Does the waste contain:	Ra-226 / Ra-228	Pb-210	K-40	Other(s)
Waste Concentration (pCi/g):	~200			
Site Limits: USEI	500 / 1500 <sup>(1)</sup>	1500	818 <sup>(4)</sup>	See Site WAC or State Exemption regulations
(all in pCi/g) USEN	5 <sup>(2)</sup>	N/A	818 <sup>(4)</sup>	
USET	30 <sup>(3)</sup>	150	818 <sup>(4)</sup>	
<b>Notes(s):</b> 1. Limits are for Ra-226+Ra-228 combined. 500 pCi/g is for bulk loads, up to 1500 pCi/g requires sealed IP-1 package. 2. USEN limit is for Ra-226 only. 3. Limits are for Ra-226 or Ra-228. See TCEQ regulations for other NORM exemptions. 4. K-40 may not be enriched beyond its natural concentration.				
<b>NRC or Agreement State Exempted Products, Devices, or Items</b>				
Type of exempt item(s) or product(s):	N/A		No. of Items: _____ (attach additional inventory if necessary)	
The items are exempt under: _____				
<b>Notes:</b> 1. Material must be transported in accordance with DOT Rules and Regulations. 2. The generator must provide an estimated inventory of activity, by isotope, for each container. 3. Individual packages may bear White I or Yellow II Labels as long as the maximum surface dose rate on any package does not exceed 10 mrem/hr. 4. <b>Am-241 based smoke detectors are prohibited from disposal at USEN.</b> Check if additional inventory information is attached. <input type="checkbox"/>				
<b>CERTIFICATION STATEMENT:</b>				
I certify that the contents of the package(s) being shipped to <u>Idaho</u> are exempt from regulation at the point of generation by the US Nuclear Regulatory Commission or an Agreement State, in accordance with <u>N/A</u> . (Cite regulation or other document that confirms materials are not licensed by the NRC or an agreement state)				
<u>Randy Schedemann / EPA on-scene Coordinator</u> Name / Title (please print)				
<u>[Signature]</u> Signature				
<u>6.14.13</u> Date				

A7N1

40427204

2.0

Revised 1/2013

Page 1 of 2



Superfund

0000



# UNIFORM RADIOACTIVE WASTE ACCEPTANCE CRITERIA SUPPLEMENT

PROFILE# \_\_\_\_\_

ADDITIONAL WAC ADDENDUM QUESTIONS FOR USEI SHIPMENTS	
<b>Particle Accelerator Produced Radioactive Material (NARM) (USEI WAC Table C.3)</b>	
Was the waste generated in a particle accelerator?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Estimated inventory of activity, by isotope, for each container: _____	
Note: <ul style="list-style-type: none"><li>Dose rate may not exceed 10 mrem/hr at any point on the package surface.</li><li>Containers must be <b>at least 90% full</b>.</li></ul>	
<b>Materials Specifically Exempted by the NRC or NRC Agreement State (USEI WAC Table C.4b)</b>	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is the material approved for disposal in accordance with 20.2008(b) or equivalent Agreement State regulation? <i>If yes, provide a copy of the exemption.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No	Has the waste been approved by the NRC or an Agreement State for alternative disposal in accordance with 10 CFR 20.2002 or Equivalent? <i>If yes, provide a copy of the approval request, exemption, and/or SER/FONSI.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No	Was the material approved for alternate disposal via a decommissioning plan or license amendment? <i>If yes, provide a copy of the license or plan.</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is the material similar to Table C.4b but is not regulated or licensed by the NRC or Agreement State. <i>If yes, provide documentation that the radioactive material is unlicensed. This could be a release of property for unrestricted use by the NRC to another Federal Agency, i.e. the EPA, USACE, etc. or a release for unrestricted use by an agreement state, etc.</i>

For US Ecology Idaho use only:	
Which of the USEI WAC Tables apply to this profile? (Check all that apply)	Waste Type (check only one)
<input type="checkbox"/> Table C.1 - Unimportant Quantities of Source Material Uniformly Dispersed in Soil or other Media	<input type="checkbox"/> FUSRAP
<input type="checkbox"/> Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media	<input type="checkbox"/> RADIOACTIVE NON-FUSRAP
<input type="checkbox"/> Table C.3 - Particle Accelerator Produced Radioactive Material (NARM)	<input type="checkbox"/> RADIOACTIVE EXEMPT ACCEL
<input type="checkbox"/> Table C.4a - NRC Exempted Products, Devices, or Items	
<input type="checkbox"/> Table C.4b - Materials Specifically Exempted by the US NRC or an NRC Agreement State	